

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
19 May 2005 (19.05.2005)

PCT

(10) International Publication Number  
**WO 2005/044832 A1**

(51) International Patent Classification<sup>7</sup>: C07H 1/00, 5/02

(21) International Application Number:  
PCT/EP2004/052900

(22) International Filing Date:  
10 November 2004 (10.11.2004)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
FI2003A000288 10 November 2003 (10.11.2003) IT

(71) Applicant (for all designated States except US): INALCO  
S.p.A. [IT/IT]; Via Calabiana, 18, I-20139 Milano (IT).

(72) Inventors; and

(75) Inventors/Applicants (for US only): TAMERLANI, Gi-  
ancarlo [IT/IT]; Via Turati, 13, I-40030 Casola di Castel di  
Casio (IT). BARTALUCCI, Debora [IT/IT]; Via Pietra-  
marina, 257, I-50059 S. Ansano - Vinci (IT). SALSINI,  
Liana [IT/IT]; Via Gramsci, 238, I-55040 Ripa (IT). RA-  
PACCINI, Silvia [IT/IT]; Via Pietro Gori, 17, I-57025 Pi-  
ombino (IT).

(74) Agent: GERVASI, Gemma; Notarbartolo & Gervasi  
S.p.A., Corso di Porta Vittoria 9, I-20122 Milan (IT).

(81) Designated States (unless otherwise indicated, for every  
kind of national protection available): AE, AG, AL, AM,  
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,  
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,  
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,  
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,  
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,  
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,  
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,  
ZW.

(84) Designated States (unless otherwise indicated, for every  
kind of regional protection available): ARIPO (BW, GH,  
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,  
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),  
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,  
FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE,  
SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

**Declaration under Rule 4.17:**

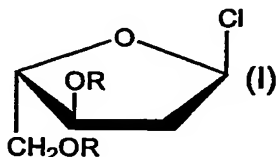
— of inventorship (Rule 4.17(iv)) for US only

**Published:**

— with international search report  
— before the expiration of the time limit for amending the  
claims and to be republished in the event of receipt of  
amendments

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: PROCESS FOR THE PREPARATION OF 1-CHLORO-3,5-DI-O-ACYL-2-DEOXY-L-RIBOFURANOSIDE DERIVA-  
TIVES



(57) Abstract: Herein described is a process for the preparation of 1-chloro-3,5-di-O-acyl-2-de-  
oxy-L-ribofuranoside derivatives of general formula (I) useful as intermediates in processes for  
preparing nucleotides of the L series having antiviral activity.